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(54) Title: DEVICE FOR SCANNING THREE-DIMENSIONAL OBJECTS

(57) Abstract: A scanning system and method for constructing a three-dimensional model of an object, the scanning system comprising: a scanning device (2) and a scanning template member (4). The scanning device (2) has an emitter (20) for projecting light and a sensor (22) for capturing images, the emitter and the sensor being, in use, in a fixed position relative to each other. The scanning to template member (4) has a known two-dimensional template (42). Processing means generates data to enable construction of a three-dimensional model of an object (8) placed between the scanning device (2) and the scanning template (42), the processing means being arranged, when in use, to generate information about the object (8) relative to the scanning template (42), this information being generated from the same image onto which the projected light is projected by the emitter. Both measurements are made relative to the same reference plane.